

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062611.D
 Acq On : 27 Jul 2020 20:19
 Operator : JC/MD
 Sample : PB130485ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#08

Quant Time: Jul 28 06:26:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	142872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	260573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	258064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	122805	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	
35) Dibromofluoromethane	7.55	113	83076	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.06	98	335256	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.38	95	129979	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

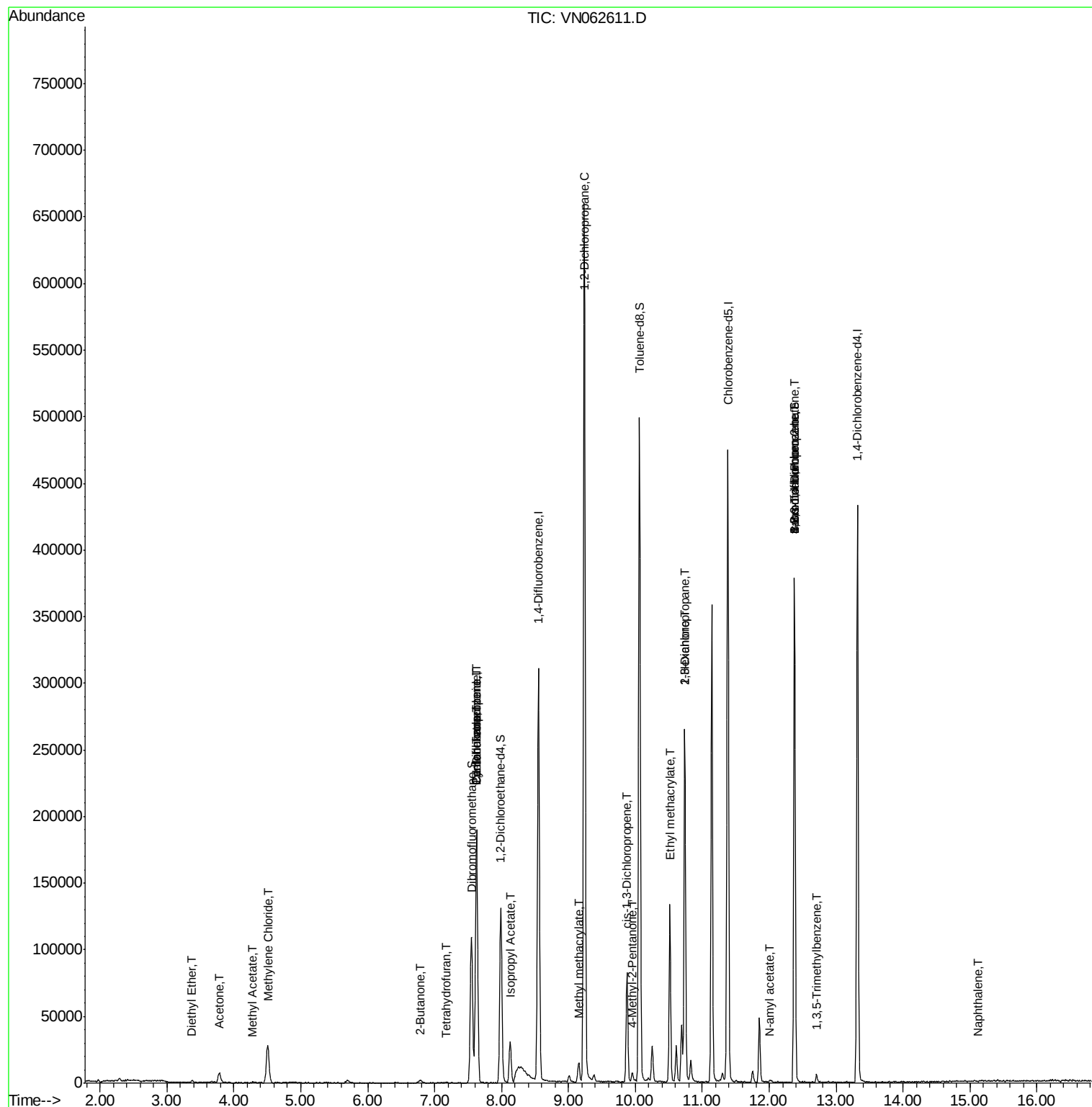
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	246	0.224	ug/l #	19
16) Acetone	3.79	43	13027	15.598	ug/l	95
18) Methyl Acetate	4.28	43	754	0.357	ug/l #	56
20) Methylene Chloride	4.51	84	20294	10.131	ug/l	91
25) 2-Butanone	6.79	43	617	0.485	ug/l #	52
29) Tetrahydrofuran	7.17	42	250	0.290	ug/l #	58
31) Cyclohexane	7.63	56	3300	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12351	4.447	ug/l #	50
38) Carbon Tetrachloride	7.63	117	15744	5.897	ug/l #	18
43) Isopropyl Acetate	8.13	43	35857	7.429	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	731	0.310	ug/l #	44
48) Methyl methacrylate	9.15	41	2257	0.984	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	4216	1.460	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	14062	3.982	ug/l #	65
56) Ethyl methacrylate	10.51	69	474	1.903	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2550	0.735	ug/l #	42
59) 2-Hexanone	10.73	43	40525	20.889	ug/l #	55
71) Bromoform	12.38	173	725	0.474	ug/l #	1
74) N-amyl acetate	12.00	43	1911	0.496	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	71976	25.893	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3375	0.471	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	71976	72.079	ug/l #	12
95) Naphthalene	15.12	128	64	3.774	ug/l #	69

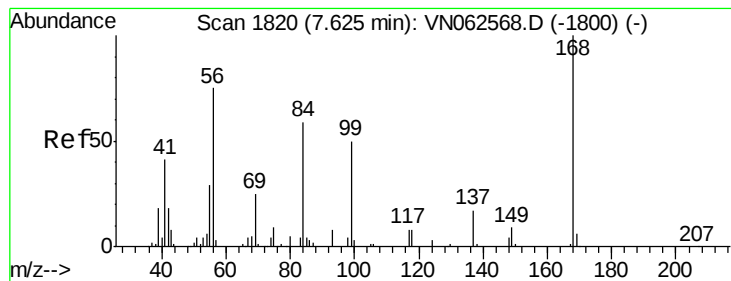
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

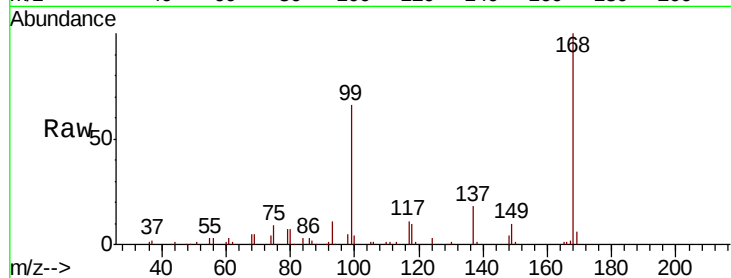
PB130485ZHE#08

Tot Ion:168 Resp: 142872

Ion Ratio Lower Upper

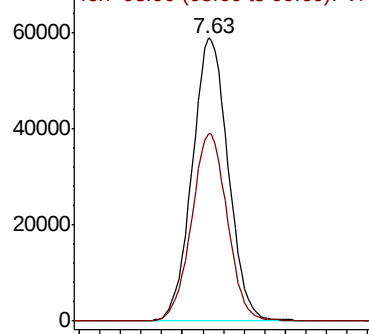
168 100

99 66.1 48.4 72.6

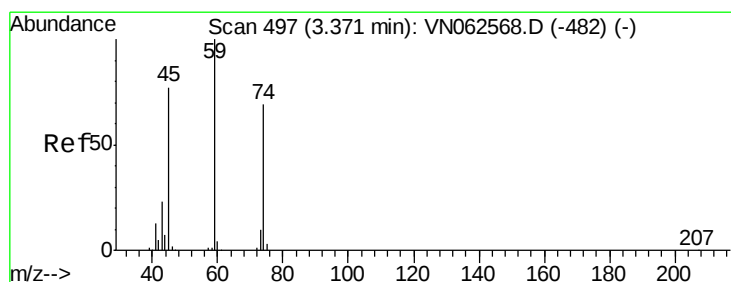
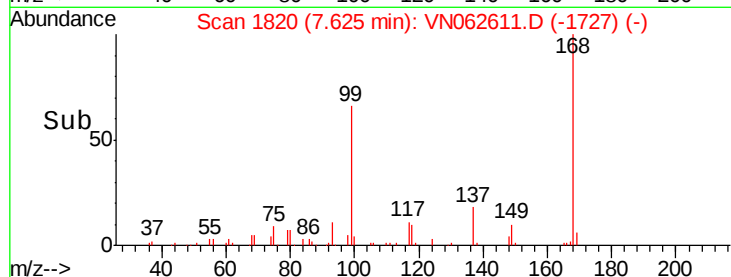


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



Time-->



#8

Diethyl Ether

Concen: 0.224 ug/l

RT: 3.37 min Scan# 496

Delta R.T. -0.00 min

Lab File: VN062611.D

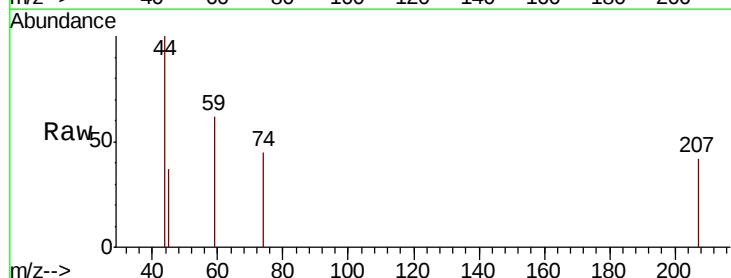
Acq: 27 Jul 2020 20:19

Tgt Ion: 74 Resp: 246

Ion Ratio Lower Upper

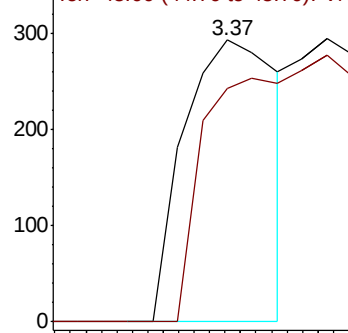
74 100

45 195.9 55.3 165.8#

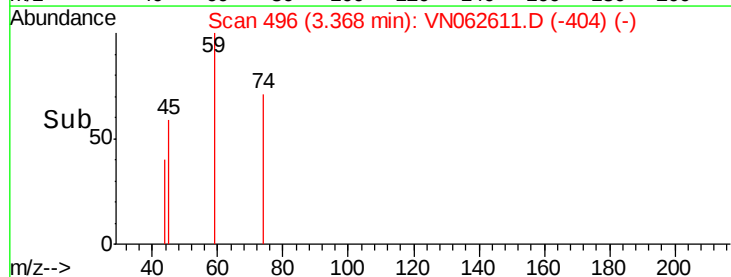


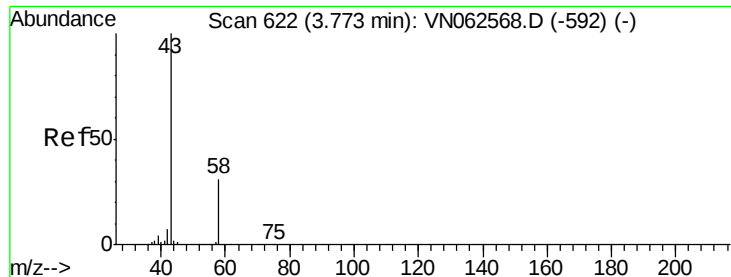
Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN



Time-->





#16

Acetone

Concen: 15.598 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

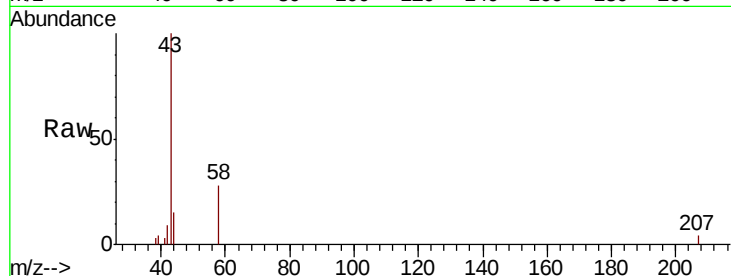
PB130485ZHE#08

Tot Ion: 43 Resp: 13027

Ion Ratio Lower Upper

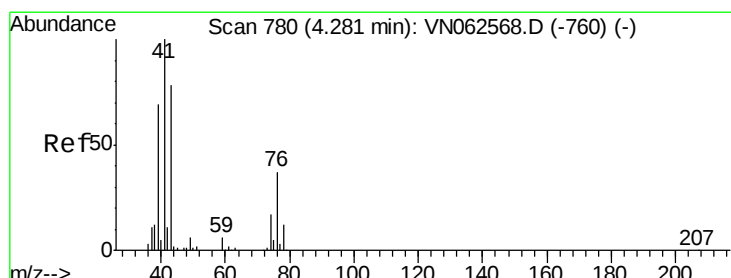
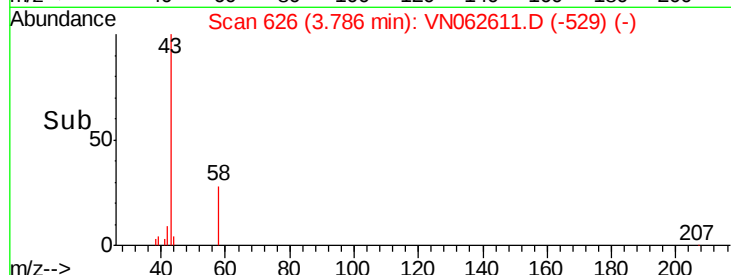
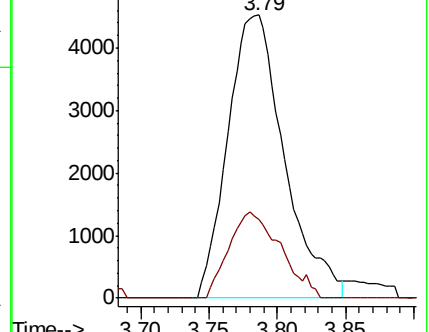
43 100

58 28.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.357 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062611.D

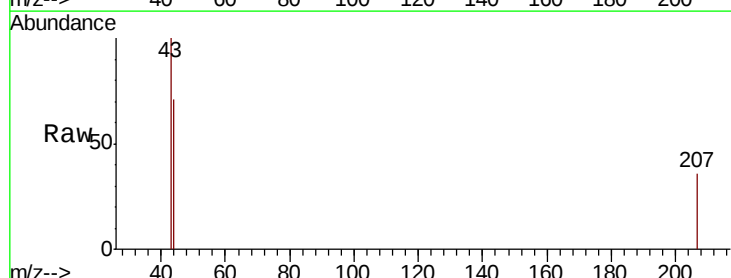
Acq: 27 Jul 2020 20:19

Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

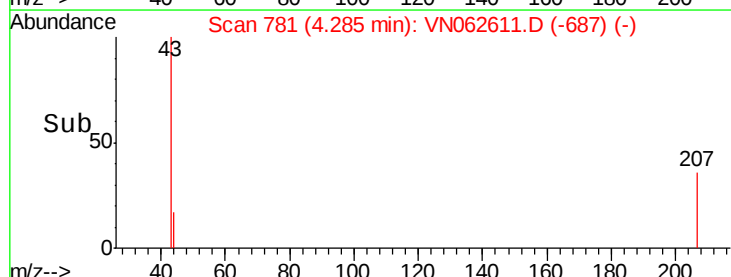
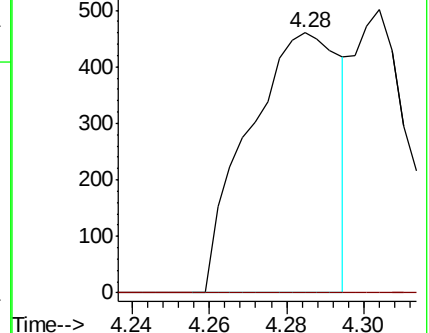
43 100

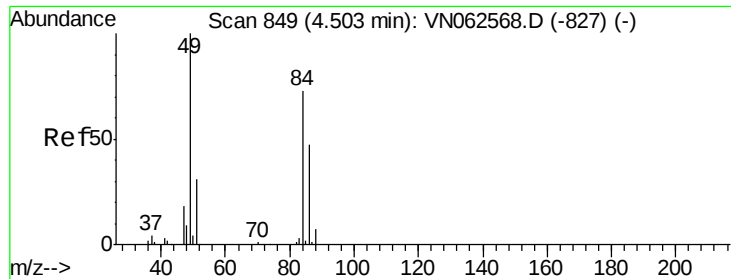
74 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

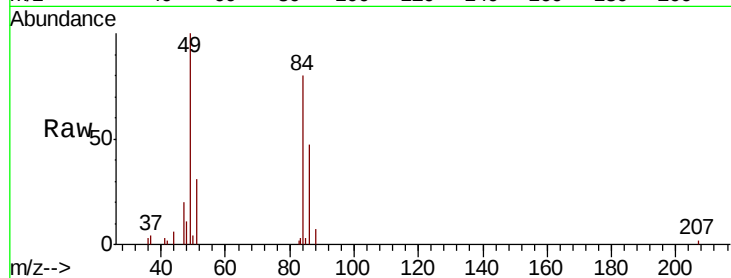




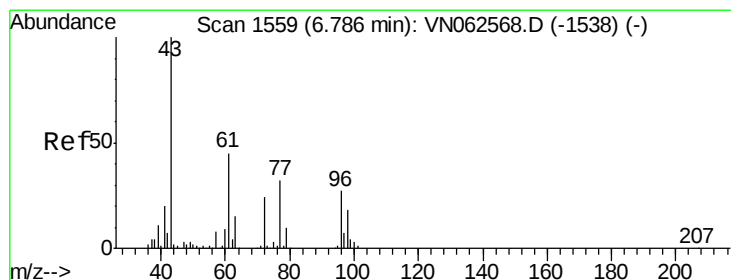
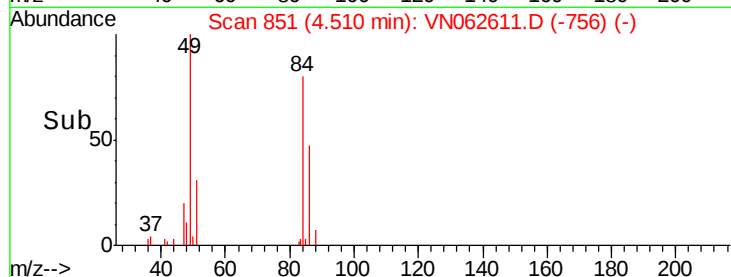
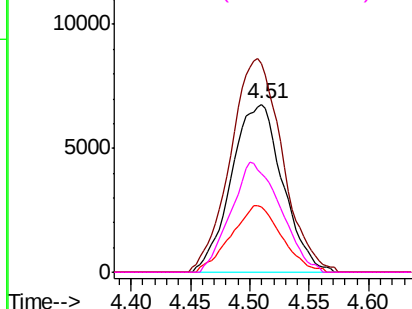
#20
Methvlene Chloride
Concen: 10.131 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#08

Tot Ion:	84	Resp:	20294
Ion	Ratio	Lower	Upper
84	100		
49	124.5	109.4	164.0
51	39.0	33.6	50.4
86	58.4	51.4	77.2

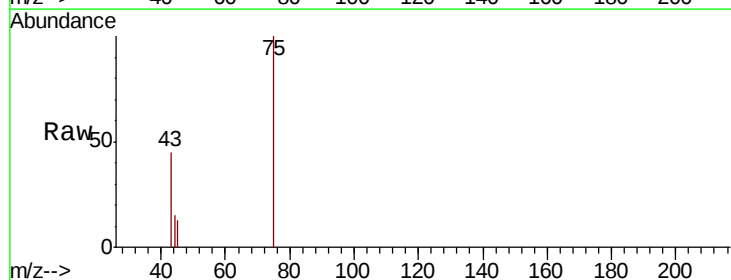


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

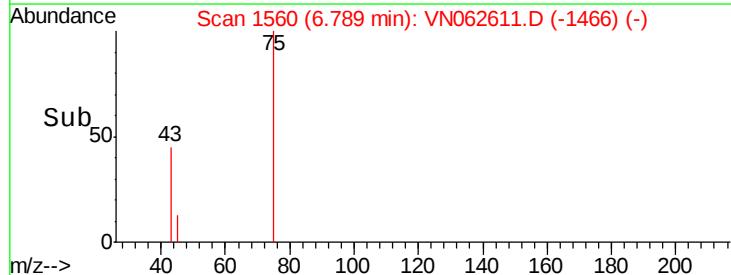
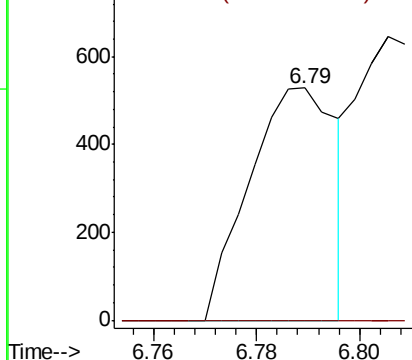


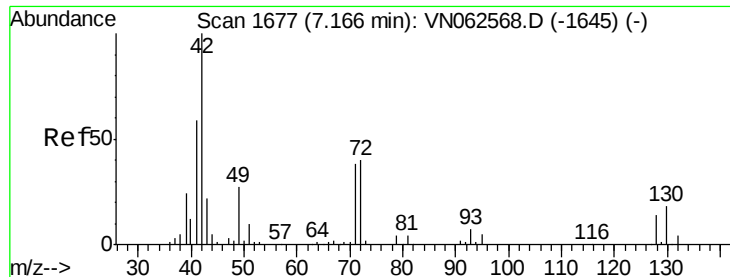
#25
2-Butanone
Concen: 0.485 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

Tgt Ion:	43	Resp:	617
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

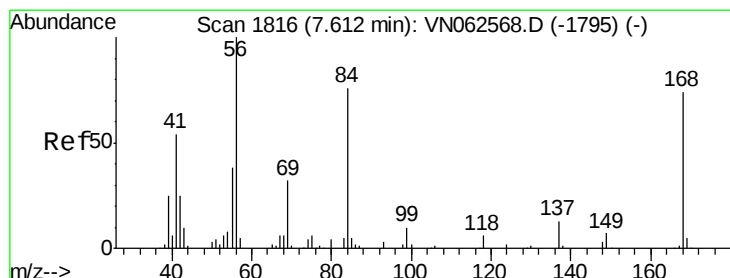
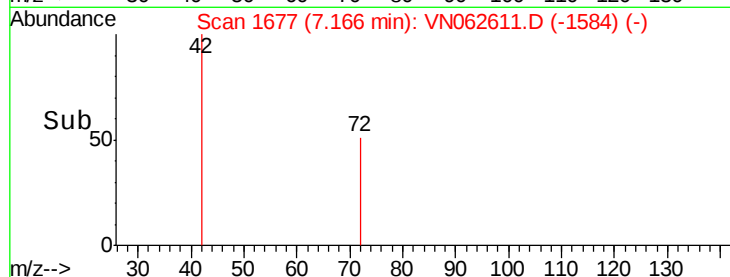
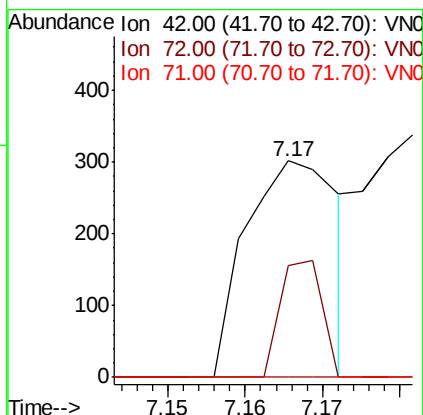
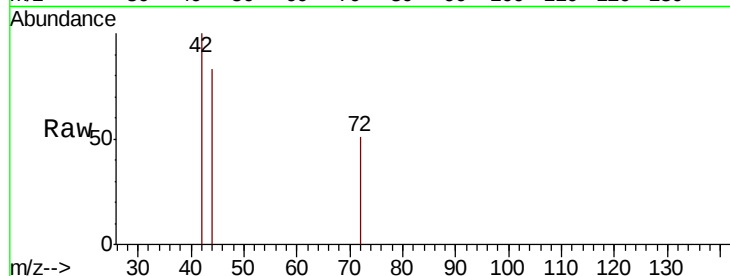




#29
Tetrahydrofuran
Concen: 0.290 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

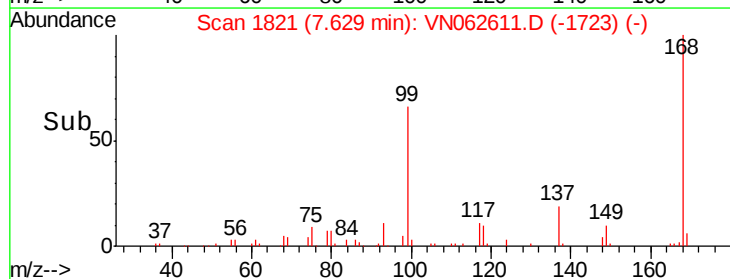
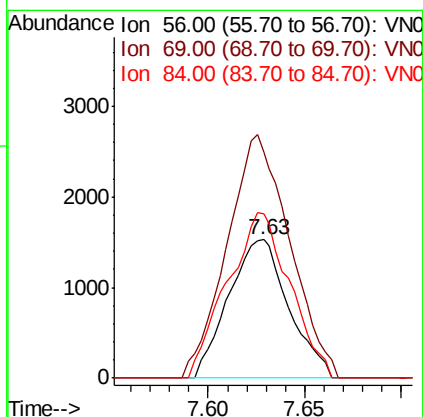
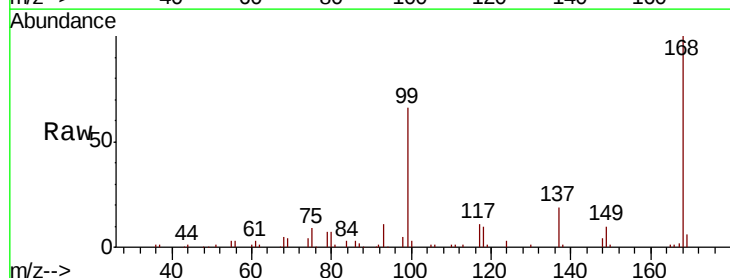
Instrument :
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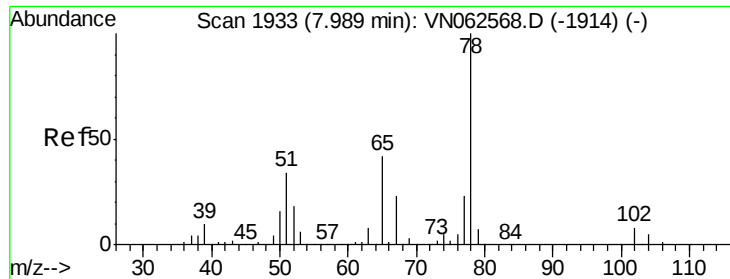
Tot Ion: 42 Resp: 250
Ion Ratio Lower Upper
42 100
72 24.4 30.7 46.1#
71 0.0 29.1 43.7#



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

Tgt Ion: 56 Resp: 3300
Ion Ratio Lower Upper
56 100
69 163.2 25.3 37.9#
84 118.7 61.0 91.4#

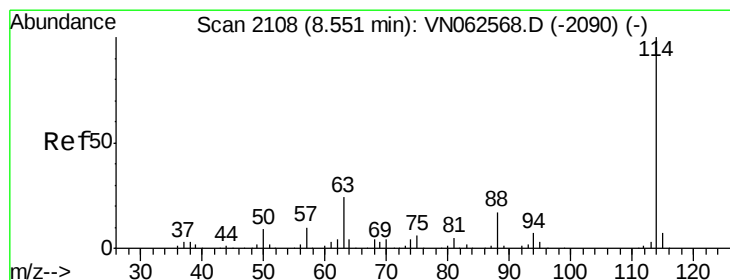
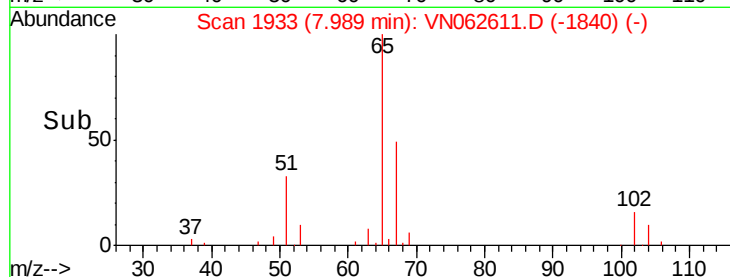
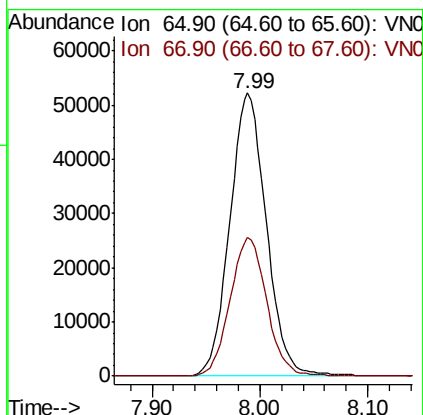
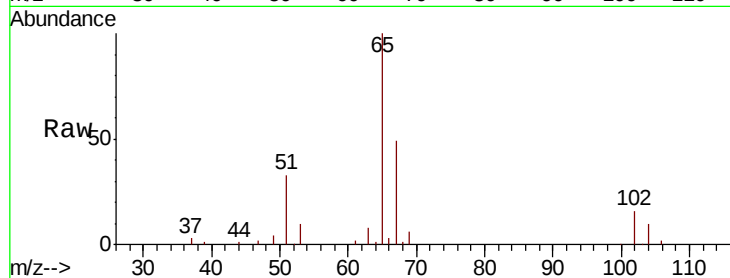




#33
 1,2-Dichloroethane-d4
 Concen: 55.331 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

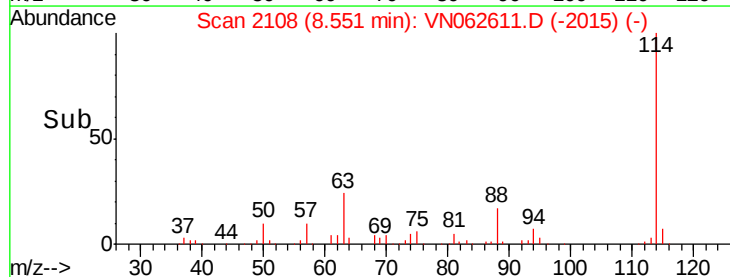
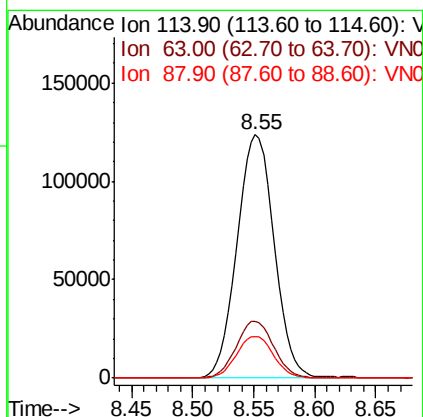
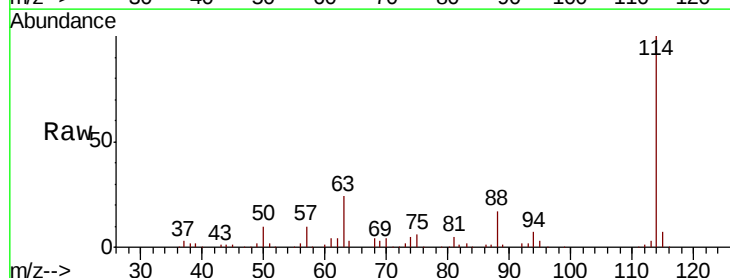
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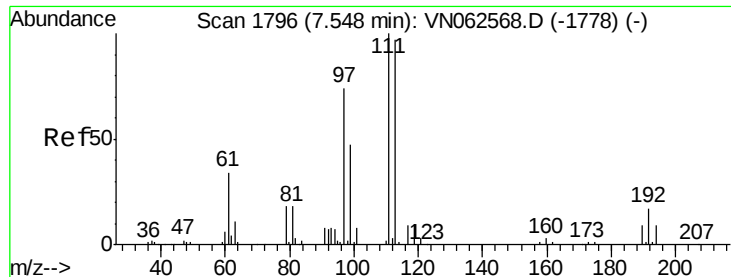
Tot Ion: 65 Resp: 122805
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

Tgt Ion: 114 Resp: 260573
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.4
 88 17.2 0.0 33.8

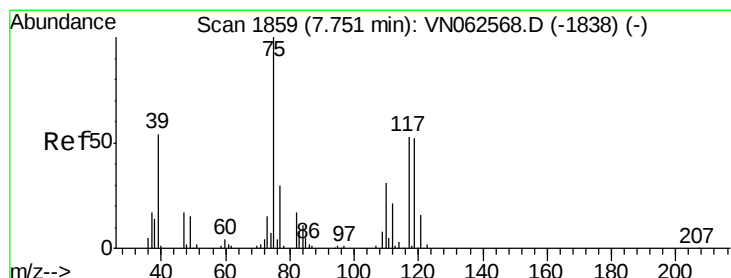
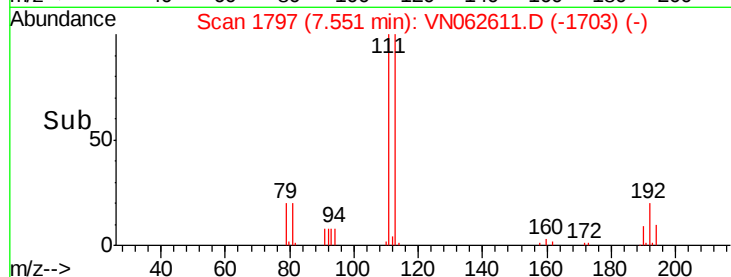
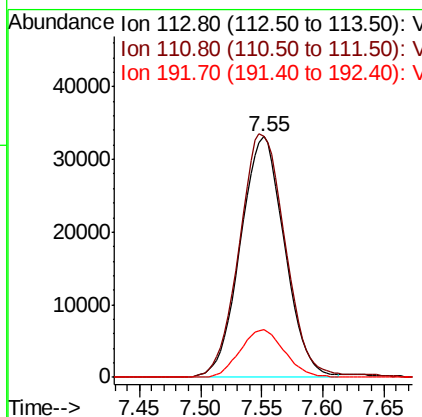
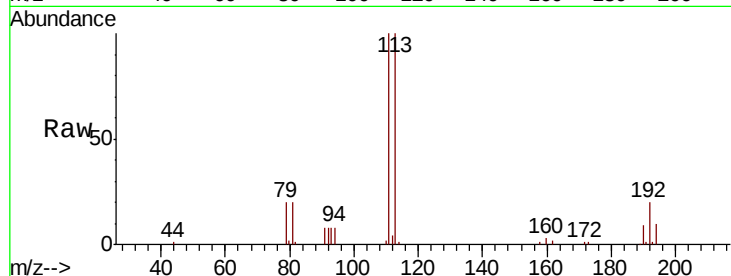




#35
 Dibromofluoromethane
 Concen: 48.537 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

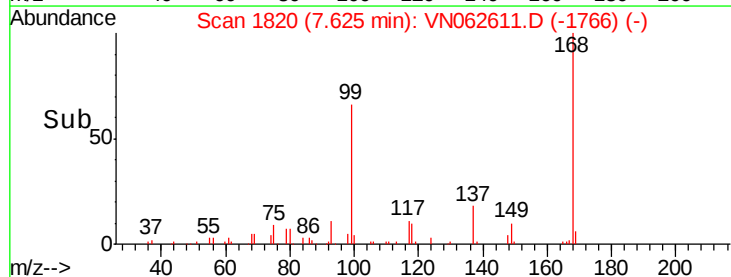
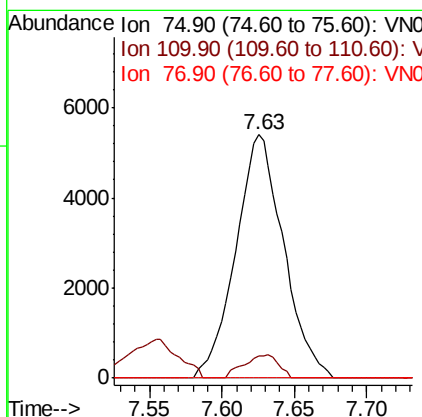
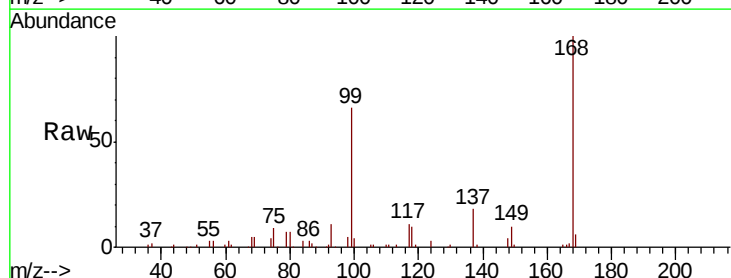
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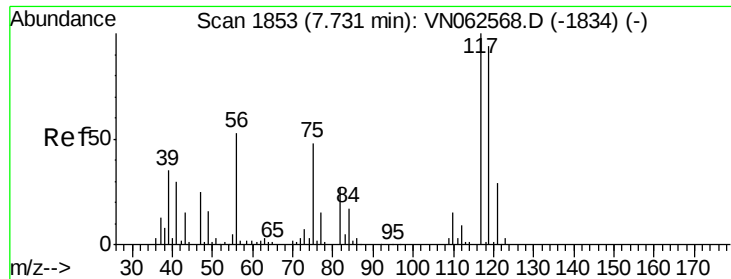
Tot Ion:113 Resp: 83076
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.7 124.1
 192 19.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.447 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

Tgt Ion: 75 Resp: 12351
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.0 48.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.897 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#08

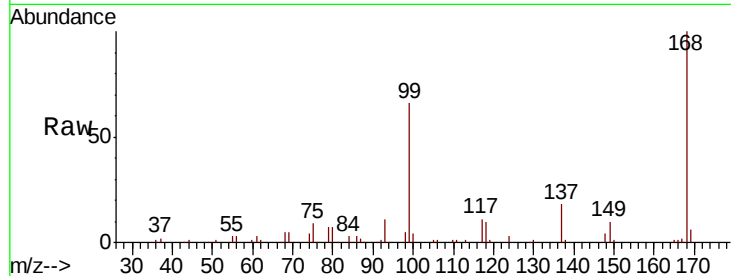
Tot Ion:117 Resp: 15744

Ion Ratio Lower Upper

117 100

119 6.0 74.8 112.2#

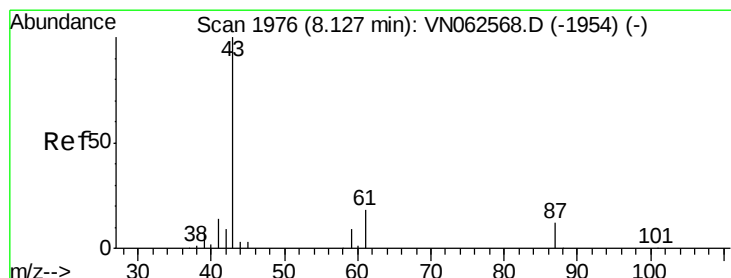
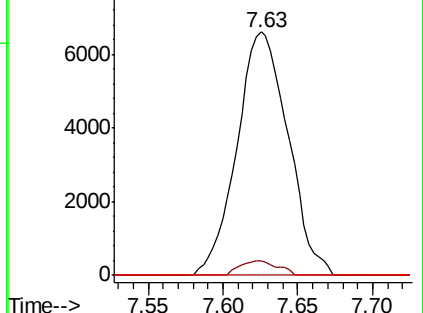
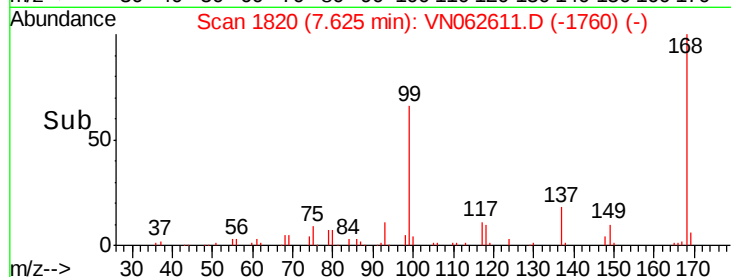
121 0.0 23.0 34.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 7.429 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

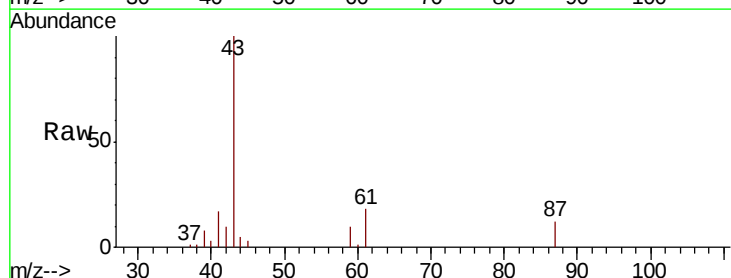
Tgt Ion: 43 Resp: 35857

Ion Ratio Lower Upper

43 100

61 19.2 20.8 31.2#

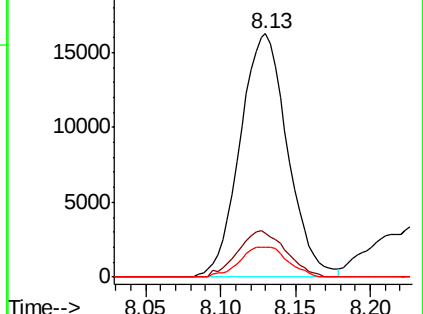
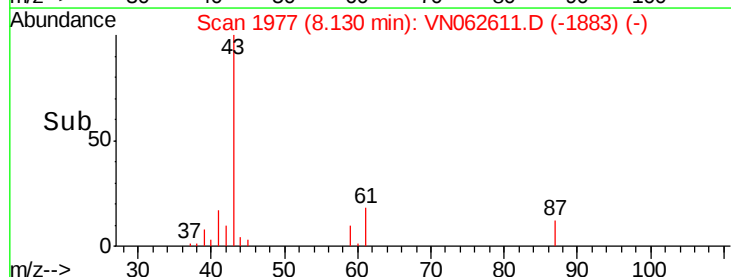
87 12.4 9.2 13.8

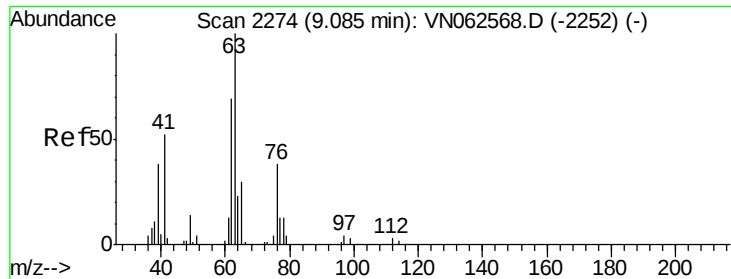


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

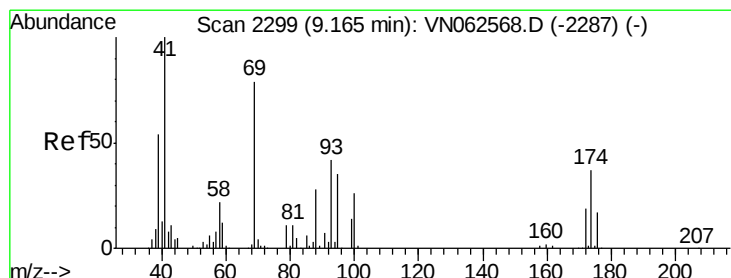
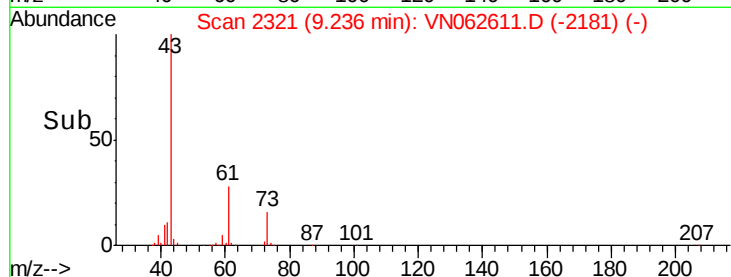
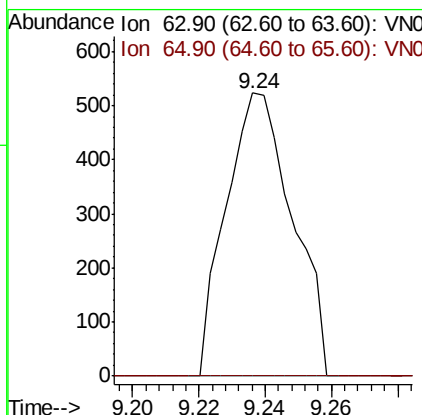
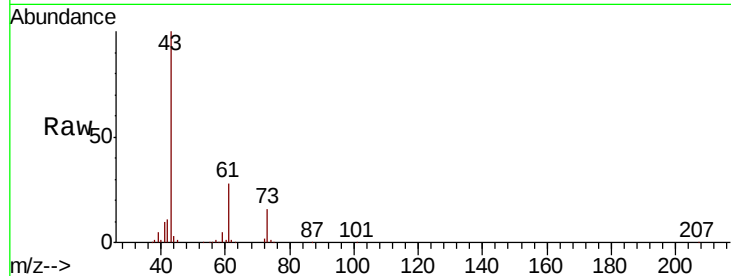




#45
 1,2-Dichloropropane
 Concen: 0.310 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

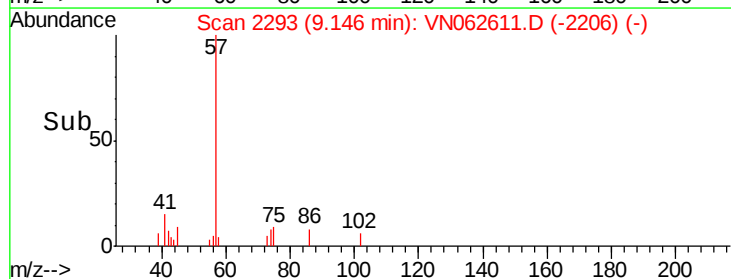
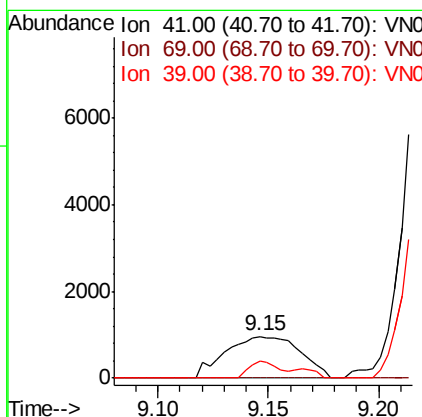
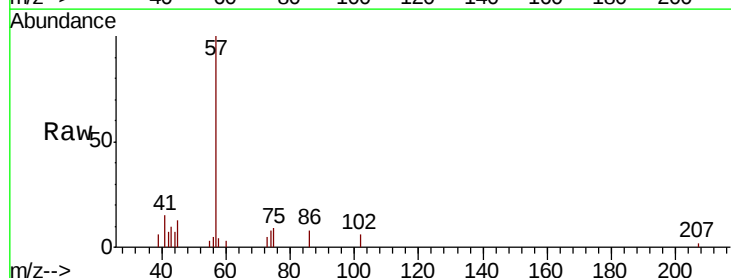
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#08

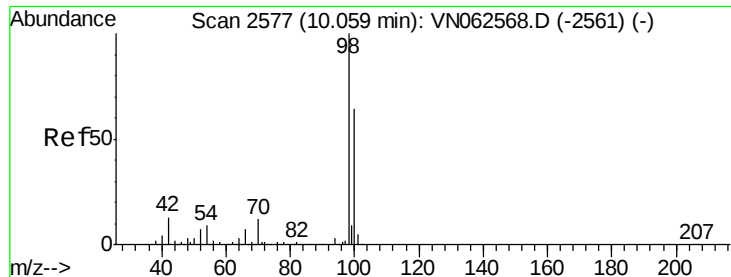
Tot Ion: 63 Resp: 731
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 0.984 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

Tgt Ion: 41 Resp: 2257
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#

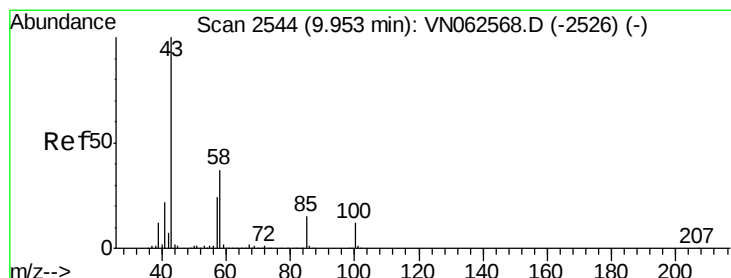
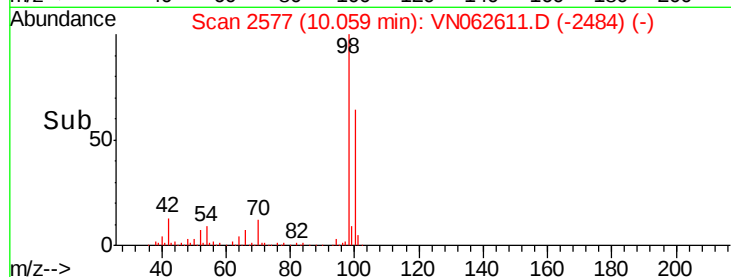
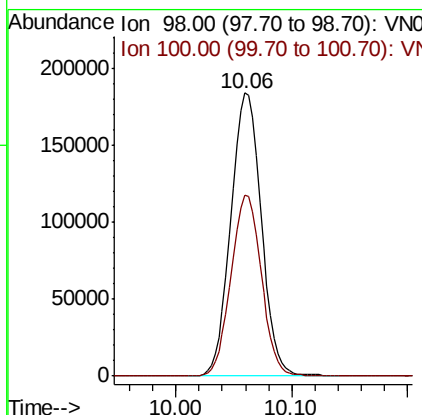
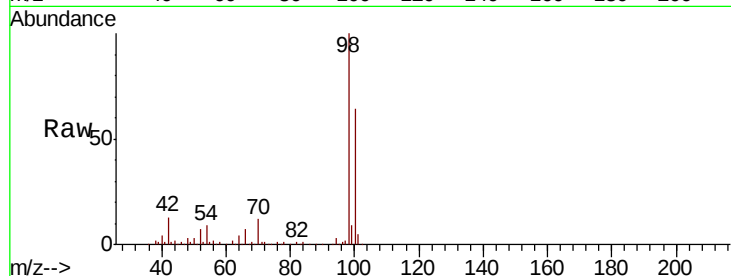




#50
Toluene-d8
Concen: 49.092 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

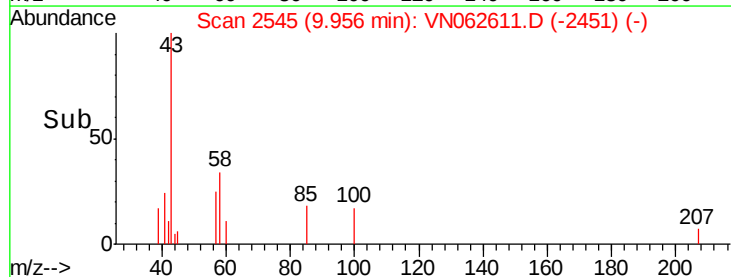
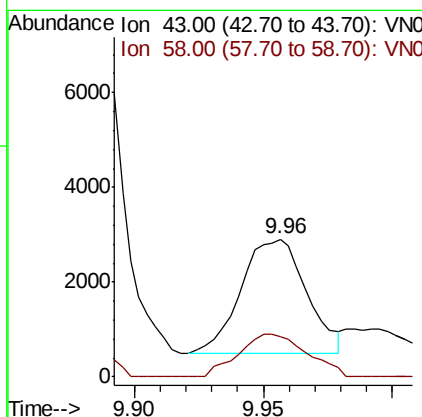
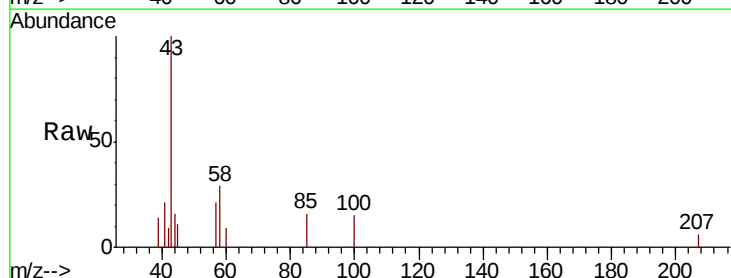
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#08

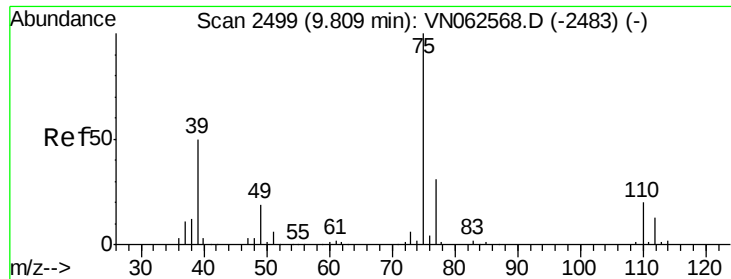
Tot Ion: 98 Resp: 335256
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.460 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
58 39.4 29.8 44.6

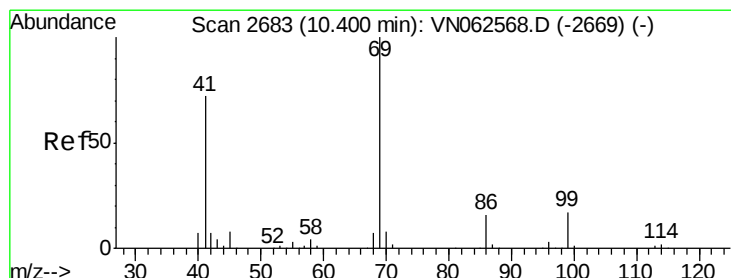
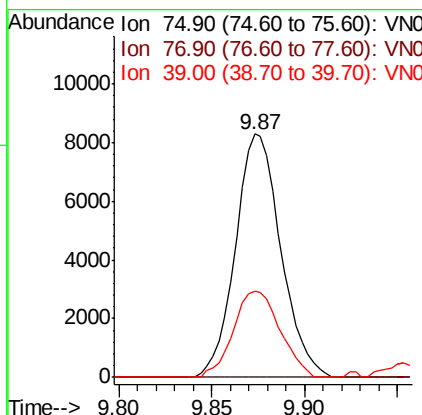
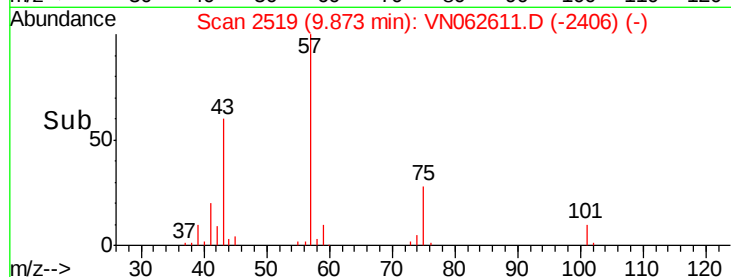
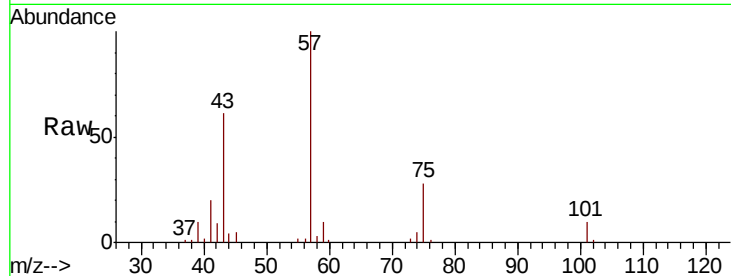




#54
 cis-1,3-Dichloropropene
 Concen: 3.982 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

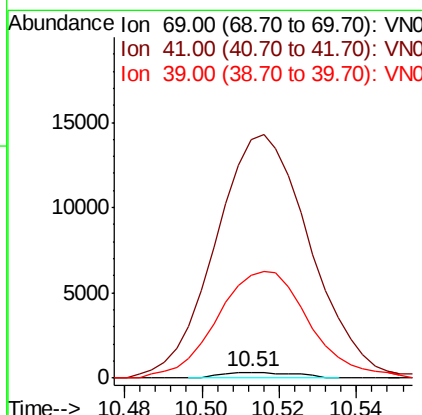
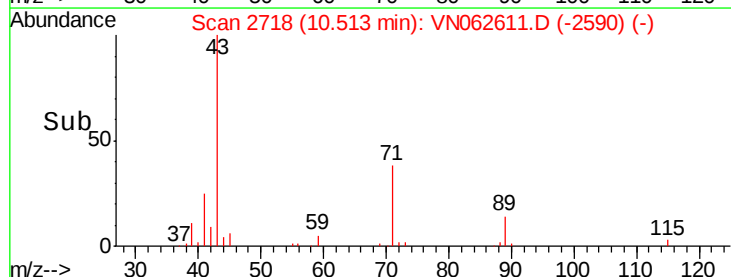
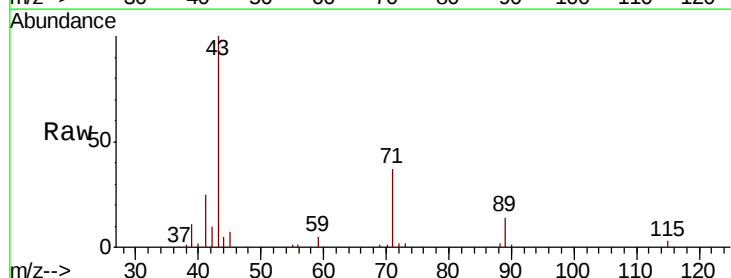
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#08

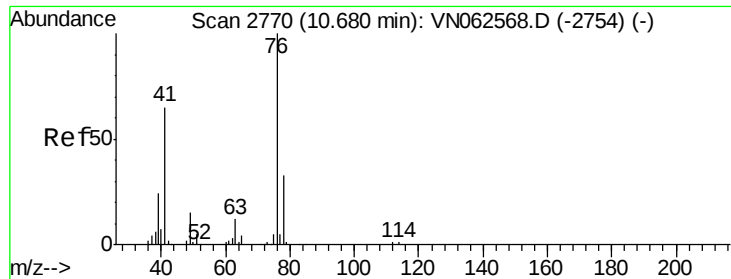
Tot Ion: 75 Resp: 14062
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.3 39.8 59.8#



#56
 Ethyl methacrylate
 Concen: 1.903 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

Tgt Ion: 69 Resp: 474
 Ion Ratio Lower Upper
 69 100
 41 5171.5 57.2 85.8#
 39 2185.4 28.6 43.0#

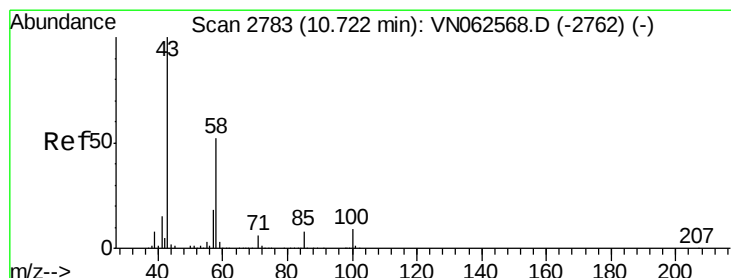
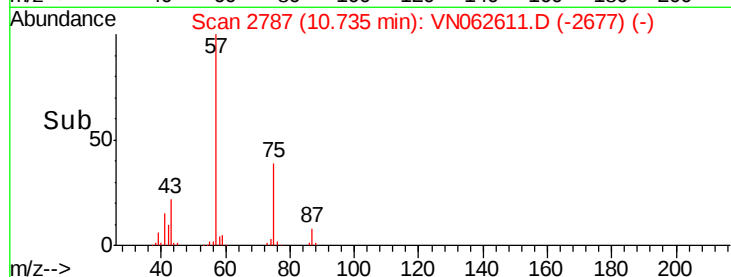
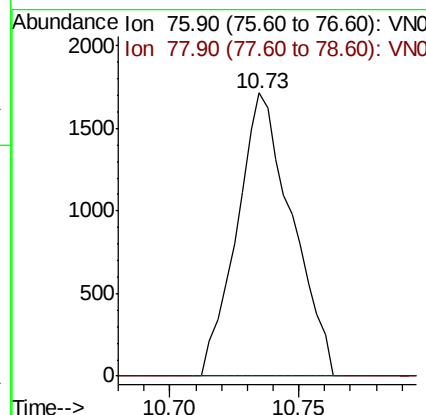
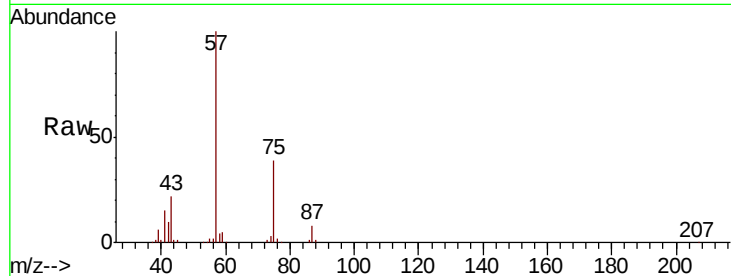




#57
 1,3-Dichloropropane
 Concen: 0.735 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

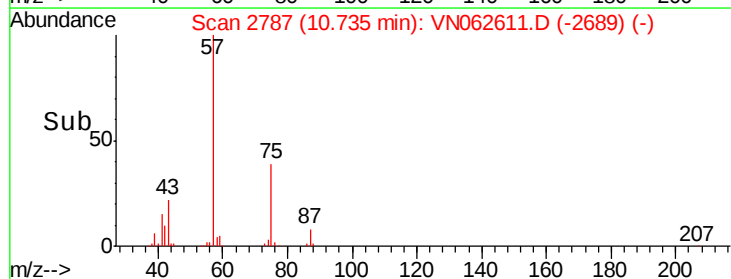
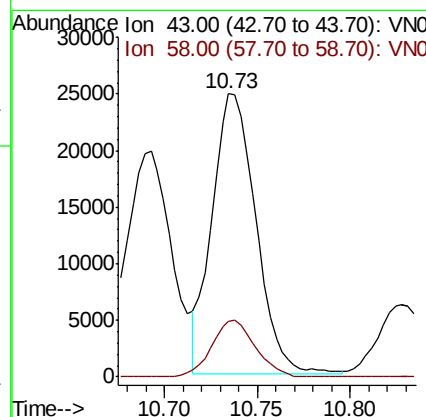
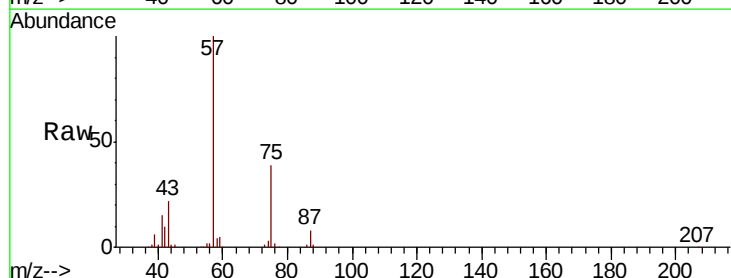
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#08

Tot Ion: 76 Resp: 2550
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 20.889 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

Tgt Ion: 43 Resp: 40525
 Ion Ratio Lower Upper
 43 100
 58 20.1 26.0 78.0#

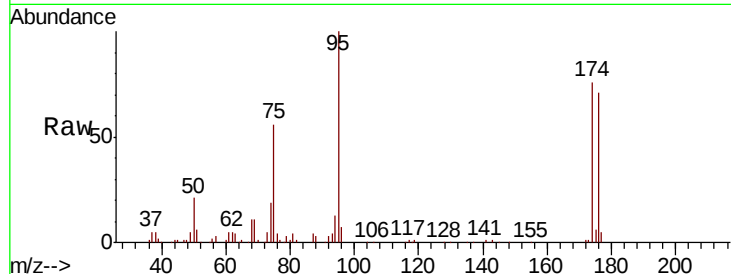




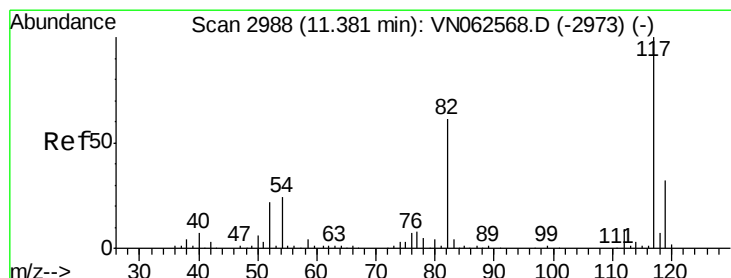
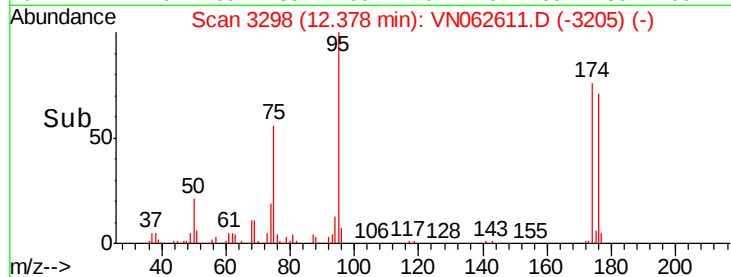
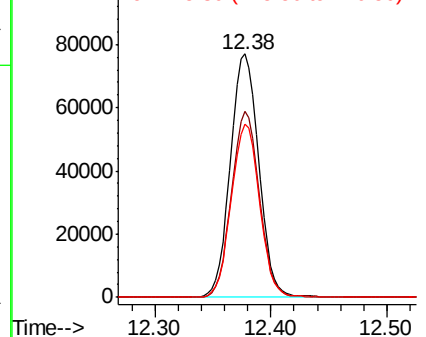
#62
4-Bromofluorobenzene
Concen: 52.054 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#08

Tot Ion: 95 Resp: 129979
Ion Ratio Lower Upper
95 100
174 75.2 0.0 144.6
176 71.0 0.0 139.4

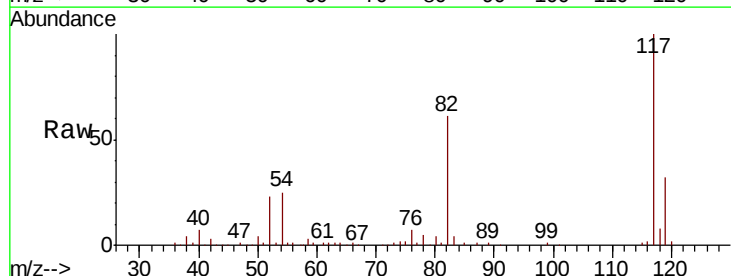


Abundance Ion 94.90 (94.60 to 95.60): VN062611.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062611.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062611.D (-3205) (-)

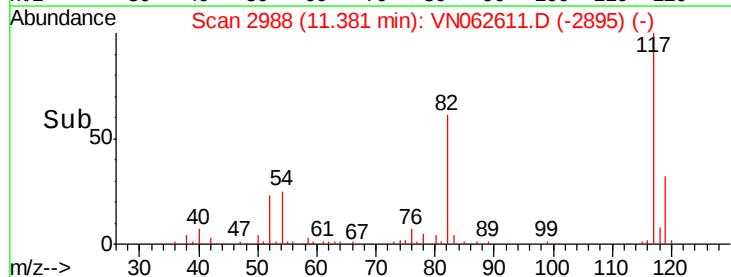
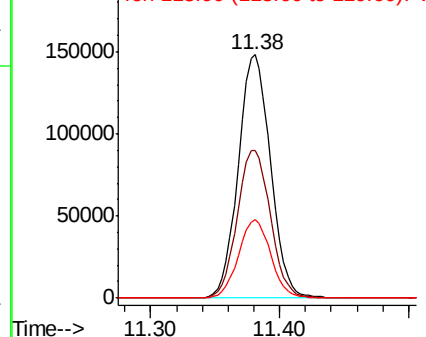


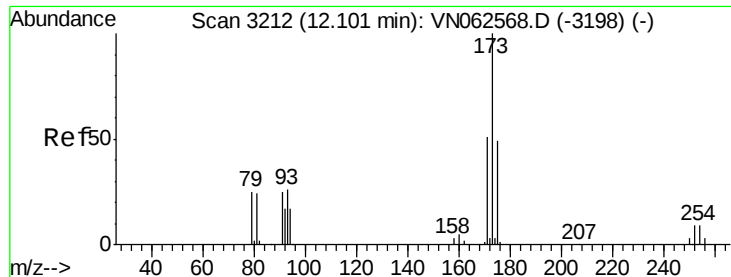
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062611.D
Acq: 27 Jul 2020 20:19

Tgt Ion: 117 Resp: 258064
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.6
119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062611.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062611.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062611.D (-2895) (-)





#71

Bromoform

Concen: 0.474 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#08

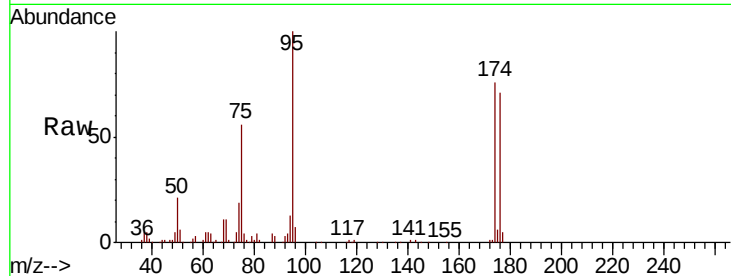
Tot Ion:173 Resp: 725

Ion Ratio Lower Upper

173 100

175 862.8 24.1 72.2#

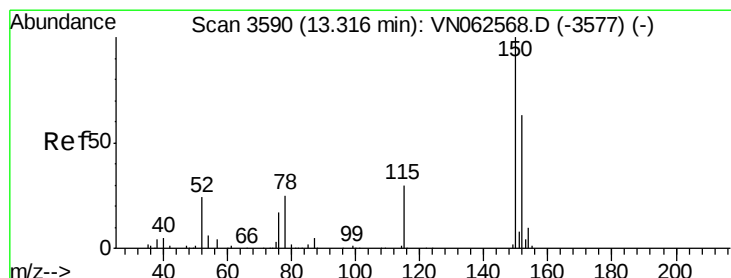
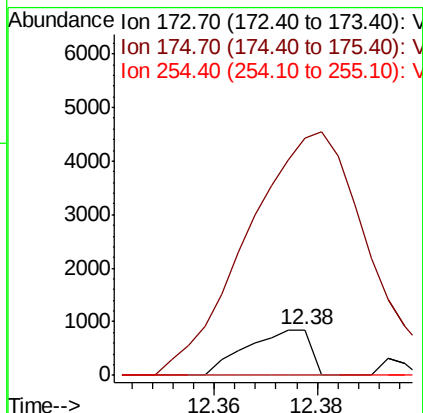
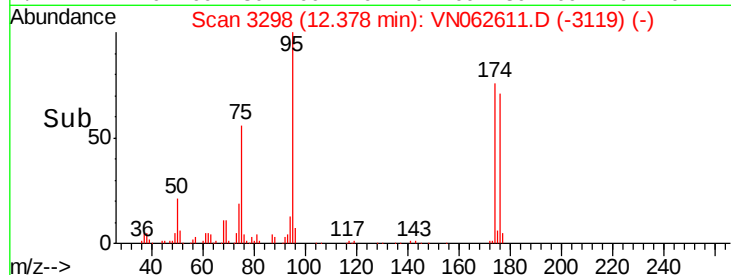
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

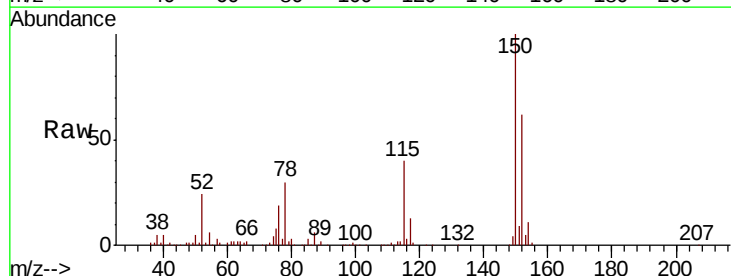
Tgt Ion:152 Resp: 109210

Ion Ratio Lower Upper

152 100

115 65.3 31.8 95.4

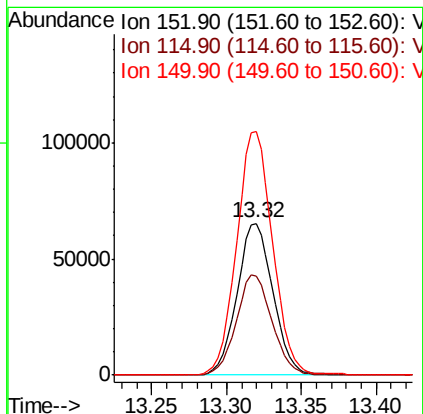
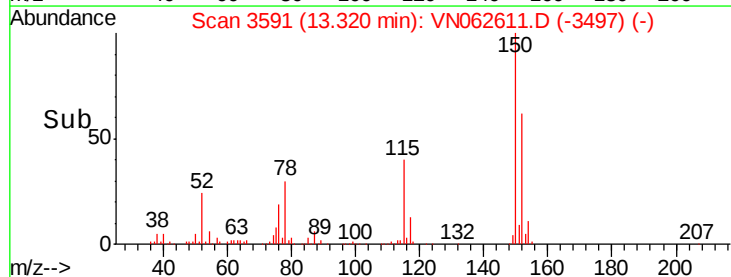
150 160.7 0.0 351.4

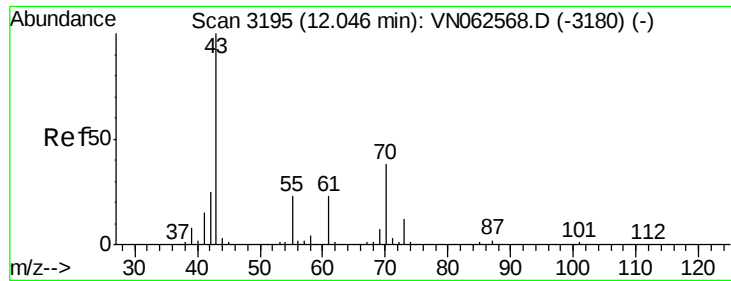


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.496 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062611.D

Acq: 27 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#08

Tot Ion: 43 Resp: 1911

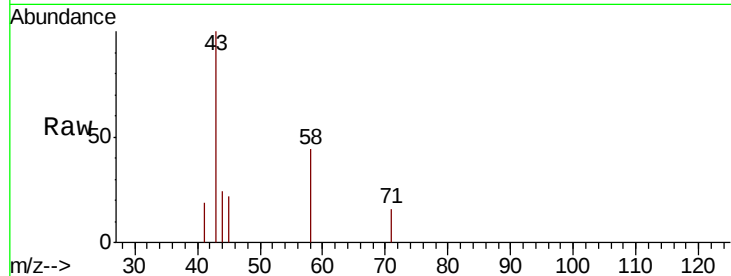
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

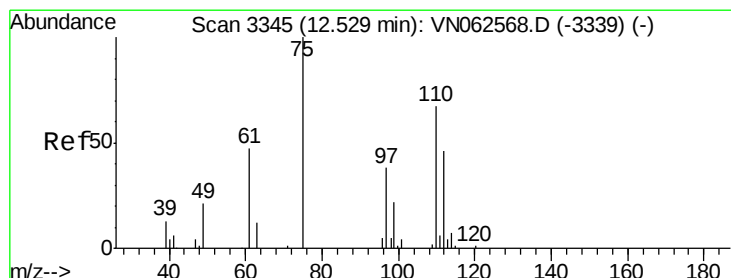
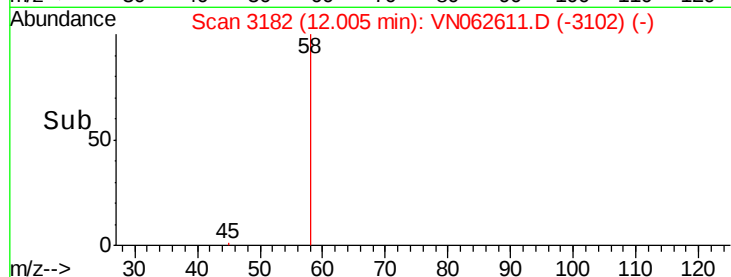
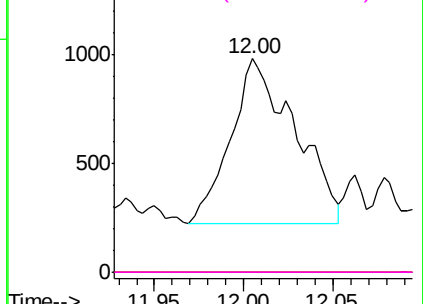


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.893 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062611.D

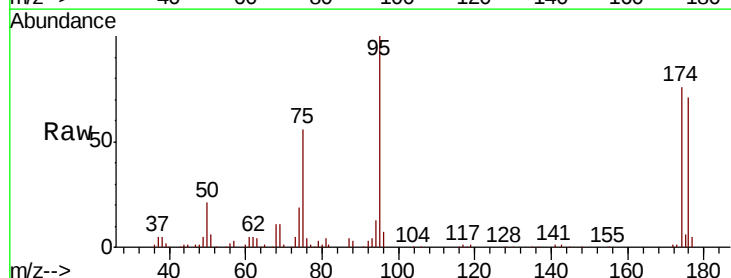
Acq: 27 Jul 2020 20:19

Tgt Ion: 75 Resp: 71976

Ion Ratio Lower Upper

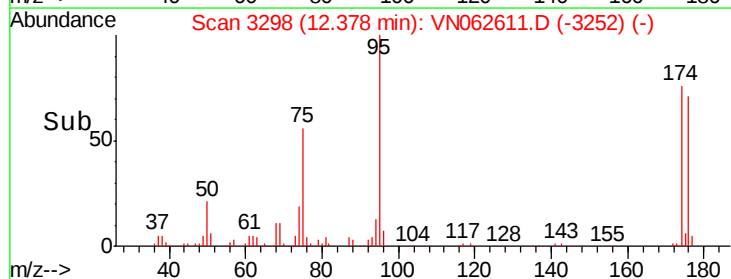
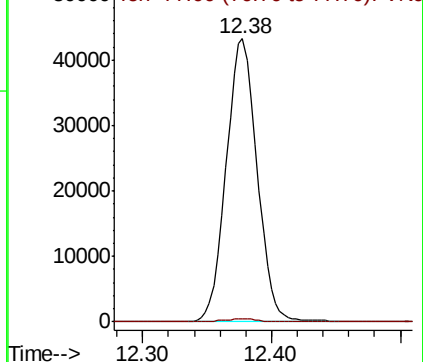
75 100

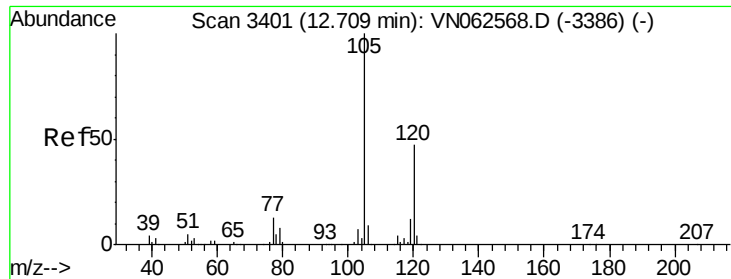
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

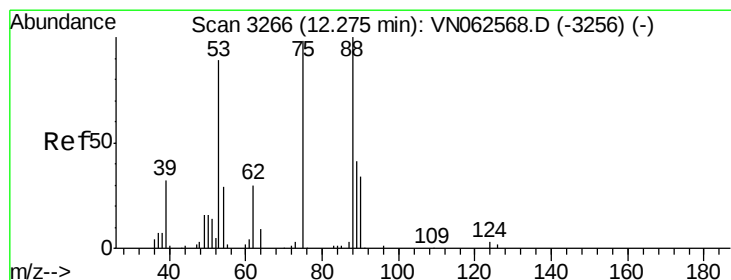
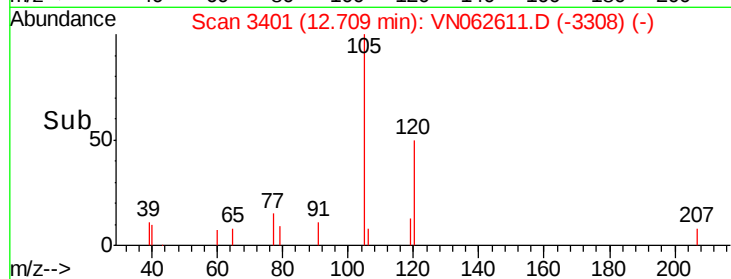
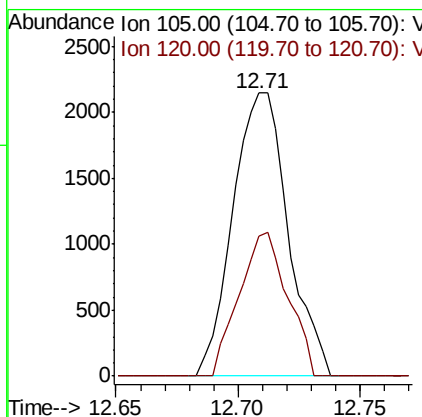
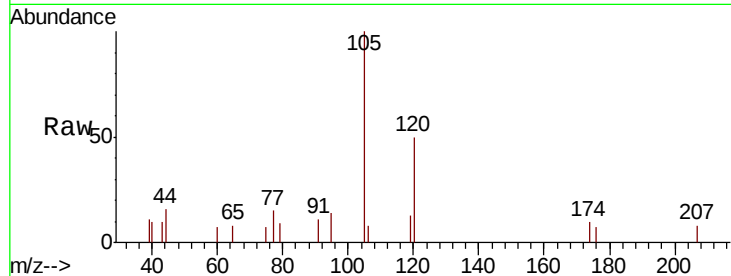




#80
 1,3,5-Trimethylbenzene
 Concen: 0.471 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

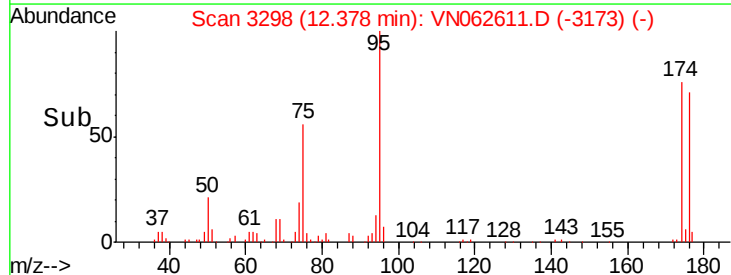
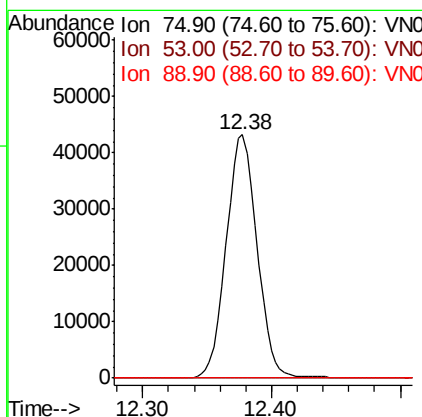
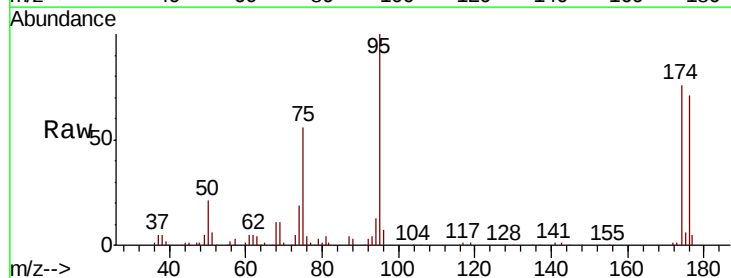
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#08

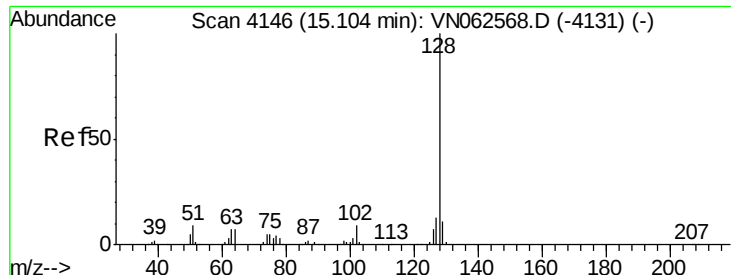
Tot Ion:105 Resp: 3375
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.079 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062611.D
 Acq: 27 Jul 2020 20:19

Tgt Ion: 75 Resp: 71976
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 3.774 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.02 min

Lab File: VN062611.D

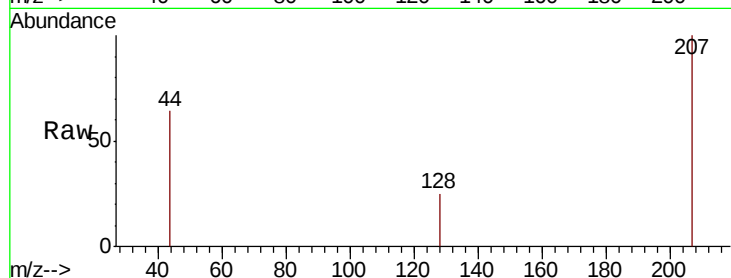
Acq: 27 Jul 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#08



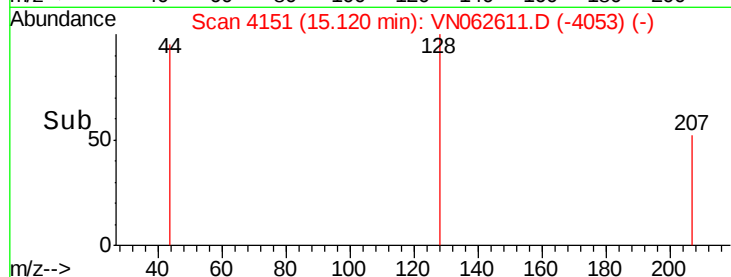
Tot Ion:128 Resp: 64

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

